L2 ANSWER 79 OF 191 CA COPYRIGHT 2006 ACS on STN
AN 137:189711 CA
ED Entered STN: 19 Sep 2002
TI Catalyst composition for atmospheric air purification
IN Kaneda, Yoshihisa; Sano, Kumiko; Ishimori, Masaki
PA Taiheiyo Cement Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM B01J035-02
ICS B01D053-86; B01D053-94; B01J021-06; B01J037-02; C04B014-30; C04B028-04; C04B111-00
CC 59-6 (Air Pollution and Industrial Hygiene)
Section cross-reference(s): 67
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002239398	A2	20020827	JP 2001-379516	20011213
PRAI	JP 2000-381309	A	20001215		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2002239398	ICM	B01J035-02
	ICS	B01D053-86; B01D053-94; B01J021-06; B01J037-02; C04B014-30; C04B028-04; C04B111-00
	IPCI	B01J0035-02 [ICM,7]; B01D0053-86 [ICS,7]; B01D0053-94 [ICS,7]; B01J0021-06 [ICS,7]; B01J0037-02 [ICS,7]; C04B0014-30 [ICS,7]; C04B0028-04 [ICS,7]; C04B0111-00 [ICS,7]

AB The title composition is prepared by mixing **cement mortar** with a **photocatalyst** powder at water/**cement** ratio 45-200, and **cement** powder ratio ≥0.45, and extruding the mixture with water at a predetd. flow value of ≥150 mm (based on JIS 15M-103) to form a 0.2-1.0 mm-thin coating layer. The **photocatalyst** powder is preferably anatase-type crystalline titania having sp. surface area 20-350 m2/g.
ST titania photolysis catalyst compn air purifn
IT Air purification
(UV photolysis; catalyst composition for atmospheric air purification)
IT **Cement**
(**photocatalyst** composition for atmospheric air purification)
IT Photolysis catalysts